

ABSTRACT OF THE DISCLOSURE

The object of the present invention is to provide a radio communication system which can reduce the load on the radio network controller 50 during multicast communication, and a mobile station 11 and the radio network controller 50 which can be used in the above radio communication system. The radio network controller 50 comprises a control signal transmitter 50b configured to divide a multicast group into subgroups, to divide a control signal for the multicast group into control signals for the subgroups, and to transmit the control signals for the subgroups to the base station 10. The mobile station 11 comprises a response signal creator 11c configured to create a response signal to the control signals for the subgroups, a transmission timing detector 11d configured to detect a transmission timing from the control signals for the subgroups, and a response signal transmitter 11b configured to transmit the response signal to the base station 10 with the transmission timing.

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Representative Drawing: Figure 6